

What is claimed is:

1. ~~A method of modifying print stream data in a printing system, said method comprising the steps of:~~
- ~~(a) sending a print stream from a data processing application to a print spooler;~~
 - ~~(b) determining, in a document driver kernel, whether or not said print stream comprises text data, and:~~
 - ~~(i) if said print stream comprises text data then tagging said text data and sending said tagged text data to a user mode module; or~~
 - ~~(ii) if said print stream does not comprise text data then sending said print stream directly to a data injection step;~~
 - ~~(c) storing said tagged text in a local buffer;~~
 - ~~(d) retrieving said tagged text from said local buffer and determining whether or not an address is contained within said tagged text, and:~~
 - ~~(i) if an address is found in said tagged text, then placing said address in an envelope print format to create an envelope data set; and~~
 - ~~(ii) if an address is not found then sending said tagged text directly to said data injection step;~~
 - ~~(e) creating an envelope printer device context and transmitting said envelope data set to an envelope kernel for creating an envelope printer device language file and then printing said envelope data set;~~
 - ~~(f) reading said printer device language and then injecting said envelope data set into said print stream; and~~
 - ~~(g) transmitting said print stream to a next destination.~~

2. The method of claim 1, wherein said print stream is passed through a graphical device interface (GDI) when being sent from said data processing application to said print spooler to form a GDI print stream.
3. The method of claim 1, wherein said print stream comprises control data.
4. The method of claim 1, wherein said local buffer stores said tagged text until at least one end-of-page control mark is received in said local buffer.
5. The method of claim 1, wherein said tagged text stored in said local buffer cannot be retrieved until said stored tagged text has received an end of page control mark for said stored tagged text sought to be retrieved.
6. The method of claim 1, wherein said data processing application is a mailpiece designer application.
7. The method of claim 6, wherein said mailpiece designer application is capable of presenting a data entry screen to a system user for performing the further steps of:
- (a) creating and/or modifying a mailpiece definition file; and
 - (b) storing and/or retrieving one or more mailpiece definition files wherein each of said files corresponds to a specific mail print run.
8. The method of claim 1, wherein said print stream comprises a control page wizard.
9. The method of claim 8, wherein said control page wizard is utilized to facilitate mail merge functionality within said printing system.

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10. ~~The method of claim 2, wherein said GDI print stream is converted by a document printer command language (PCL) generator into an envelope printer language.~~

11. A document printing system having at least two printers and a single input/output port, said system comprising:

(a) a first document designer application for preparing a document to be printed in at least a first portion and a second portion and wherein said preparation results in a print stream;

(b) a second designer application for:

(i) displaying a set of data fields of said second portion to a system user;

(ii) reading a set of parameters created by said second designer application; and

(iii) writing said second portion to a printer driver;

(c) a print stream monitor for:

(i) scanning said print stream to detect a set of first portion data and a set of second portion data; and

(ii) modifying said print stream to merge said set of first portion data and said set of second portion data;

(d) a control page parser for detecting, parsing, and then extracting said first portion data from said print stream;

(e) a second portion parser for detecting, parsing, and then extracting said second portion data from said print stream;

(f) a first printer command language (PCL) generator for converting said print stream into a first portion printer language;

(g) a second (PCL) generator for converting said second portion as extracted from said print stream into a second printer language;

- (h) a first printer driver for causing said first printer to print, utilizing said first portion printer command language, said first portion data to one or more sheets; and
- (i) a second printer driver for causing said second printer to print, utilizing said second printer command language, said second portion data to a substrate.
12. The document printing system of claim 11, wherein said first document designer application is a 32-bit WINDOWS automation server.
13. The document printing system of claim 12, wherein said first document designer application is capable of creating and/or modifying a mailpiece definition file and storing and/or retrieving one or more mailpiece definition files wherein each of said files corresponds to a specific mail print run.
14. The document printing system of claim 11, wherein said document designer application is for producing one or more mailpieces and wherein said first portion comprises document data and said second portion comprises envelope data.
15. The document printing system of claim 11, wherein said set of data fields is representative of the face of an envelope.
16. The document printing system of claim 15, wherein said set of data fields further comprises an addressee print field.
17. The document printing system of claim 15, wherein said set of data fields further comprises an indicia print field.

18. The document printing system of claim 11, wherein said second portion data is converted by a document printer command language (PCL) generator into an envelope printer language.
19. A mailpiece creation system having a first printer and a second printer and a single input/output port, said system comprising:
- (a) a host computer having a mailpiece designer application for generating a print stream and wherein said print stream is representative of said mailpiece;
 - (b) an envelope designer application for:
 - (i) displaying a set of envelope data fields to a system user;
 - (ii) reading a set of envelope parameters created by said envelope designer application; and
 - (iii) writing said envelope to a printer driver;
 - (c) a print stream monitor for:
 - (i) scanning said print stream to detect address data resident in said print stream and control page or control mark data resident in said print stream; and
 - (ii) modifying said print stream to merge a set of document page data and a set of address data;
 - (d) a control page parser for detecting, parsing, and then extracting said document page data from said print stream;
 - (e) an addressing parser for detecting, parsing, and then extracting address data from said print stream;
 - (f) a document printer command language (PCL) generator for converting said print stream into a document printer language;
 - (g) an envelope (PCL) generator for converting text addresses extracted from said print stream into an envelope printer language;
 - (h) a first printer driver for causing said first printer to print said address data to an envelope utilizing said envelope printer language; and

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(i) a second printer driver for causing said second printer to print said document data to one or more sheets utilizing said document printer language.

20. The mailpiece creation system of claim 19, wherein an envelope printer device context is established to allow said address data to be printed to said second printer driver for printing to said envelope.

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